

# Curriculum Mapping for South Dakota Essential Core Standards

## Grade 11 Math-Geometry

Includes core standards from grades 9-10

X = Not taught  
I = Introduced  
R = Reinforced  
P = Proficient/practiced

### Indicator 1: Apply deductive and inductive reasoning to analyze geometric properties to solve problems.

Standard	Curriculum Map (X, I, R, P)	Resources	Actions Needed
1. (9) know, use derive formulas for, and solve problems involving perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures			
2. (10) explore and analyze the properties of triangles.			
3. (10) identify congruence and similarity relationships among triangles.			

### Indicator 2: Analyze geometric figures from a variety of perspectives.

Standard	Curriculum Map (X, I, R, P)	Resources	Actions Needed
1. (9) use proportional reasoning to solve practical problems. 2. (10) select transformations required to map images of objects.			